Claims.

1) A container comprising a body formed by walls and a bottom having in his greater section a dimension d_1 and a neck with an internal diameter d_2 , said container being made from a semi-crystalline PET , the body of said container comprising at its bottom at least three feet spaced from each other and being integral with said body, wherein for the body, the ratio weight of the walls on weight of the bottom is comprised between 3 and 4 and wherein the ratio volume of the body of the container per gram of PET of the body is comprised between 80 and 120.

2) A container according to claim 1, wherein the walls of the body have a thickness of less than 100 µm.

3) A container according to any of claims 1 or 2, wherein the neck has a wall thickness comprised between 150 and 250 µm.

4) A container according to any of claims 1 to 3, wherein each foot has a wall thickness comprised between 50 and 150 µm.

5) A container according to any of claims 1 to 4, wherein the part of the bottom between the feet has a greater thickness of that of the walls.

6) A packaging assembly comprising

- a container comprising a body formed by walls having in his greater section a dimension d_1 and a neck with an internal diameter d_2 , said container being made from a semi-crystalline PET , the body of said container comprising at its bottom at least three feet spaced from each other and being integral with said body, wherein for the body, the ratio weight of the walls on weight of the bottom is comprised between 3 and 4 and wherein the ratio

volume of the body of the container per gram of PET of the body is comprised between 80 and 120,
- a product in the container and
- closing means for closing off or distributing the product from the neck,
the filled container being substantially incompressible by hand when filled with the product.

7) A packaging assembly according to claim 6, wherein the product is taken from the group consisting of pasty, liquid, semi-liquid, granular or powdered product.

8) A packaging assembly according to any of claims 6 or 7, wherein said assembly has a high resistance to vertical and/or transverse loads allowing good resistance to transportation.

9) A packaging assembly according to claim 8, wherein said assembly supports a vertical and/or transverse loading of more than about 100 kg for a container having a weight of about 4 g.

10) A packaging assembly according to any of claims 4 to 9, wherein the body of the container has a form taken from the group consisting of a three dimensional shape convenient for gripping, an ovoid, spherical, elliptical or cylindrical shape.

11) A packaging assembly according to any of claims 4 to 10, wherein the wall thickness of the body, substantially in the middle of its body is comprised between 30 and 70 µm.

12) A packaging assembly according to any of claims 4 to 11, wherein the container comprises on its outside a printing made by pad printing.

13) A packaging assembly according to any of claims 4 to 12, wherein the ratio d2 on d1 is comprised between 1:3 and 1:10.

14) A packaging assembly according to any of claims 4 to 13, wherein the ratio height of the neck on the height of the body is comprised between 1:1 and 1:4.

15) A packaging assembly according to any of claims 4 to 14, the ratio weight of the walls on weight of the bottom is comprised between 3.4 and 3.8.

16) A packaging assembly according to any of claims 4 to 15, wherein the ratio volume of the body of the container per gram of PET of the body is comprised between 90 and 110.

17) A process for manufacturing the container according to any of claims 1 to 5, wherein said container is obtained by stretch blow forming of a PET preform with high stretch index in comparison with the classical stretching of a preform.